

Dr. David E. Luzzi
University of Pennsylvania



EDUCATION

Northwestern University
Ph.D., Materials Science and Engineering, 1986
Stevens Institute of Technology
B.E., Engineering Physics, 1980

WORK EXPERIENCE

University of Pennsylvania, Department of Materials Science and Engineering
Professor, 2002 - Present
Associate Professor, 1993 - 2001
Assistant Professor, 1987 - 1993
Kyoto University, Department of Materials Science and Engineering
Visiting Professor, 1996 - 1997
Northwestern University, Department of Materials Science and Engineering
Post-Doctoral Research Fellow, 1986 - 1987
Osaka University, Research Center for Ultra-High Voltage Electron Microscopy
Monbusho Scholar, 1984 - 1985
Grumman Aerospace Corporation
Grumman Scholar Summer Employee, 1976 - 1980

AREAS OF EXPERTISE

Nanoscience and nanotechnology, nanoscale hybrid materials, processing, structure and properties of nanotubes, chemistry in confined nanoscale environments, advancing electron microscopy for the study of individual molecules and molecular devices, phase stability in intermetallics, solid state amorphizing transformations, structure/property relationships and phase transformations at interfaces in metal alloys and intermetallic compounds, interface structure determination.

PROFESSIONAL/SCIENTIFIC/HONORARY AFFILIATIONS

Director, Nanotechnology Institute, Penn Regional Nanotechnology Facility; Scientific Principal, NanoSelect, Inc.; Member: American Physical Society, Materials Research Society, The Metallurgical Society of AIME, Philadelphia Society for Microscopy; Former Member: Defense Science Study Group, Institute for Defense Analysis, DARPA, 1996-1997; Heilmeier Award for Excellence in Research, 2002.